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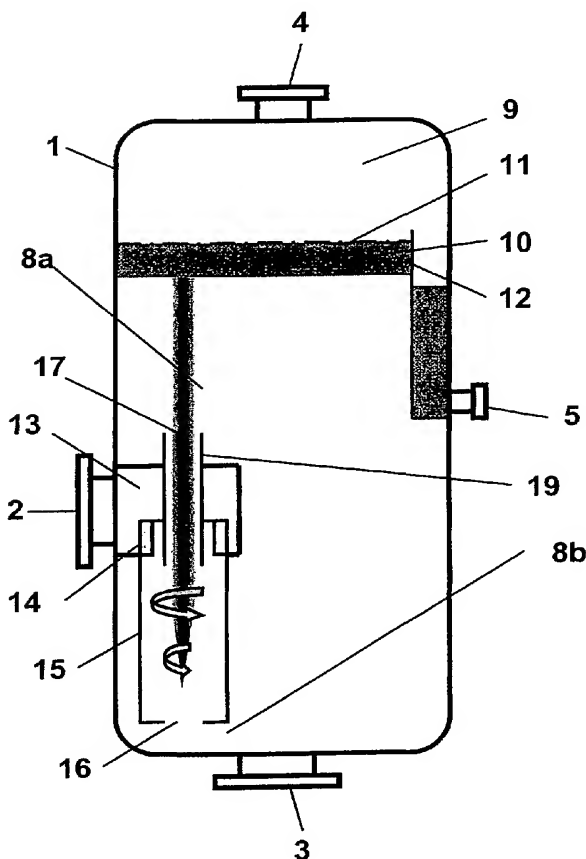
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(54) Title: FLOTATION SEPARATOR



(57) Abstract: A flotation separator for the separation of a dis-
persed liquid phase and/or suspended solid materials from a con-
tinuous liquid phase containing free gas including; an open or
closed vessel (1) which is completely or partially liquid filled, is
equipped with one or several inlet nozzles (2) feeding the inflow-
ing mixture through one or several distribution chambers (13)
toward one or several substantially vertically arranged cyclone
pipes (15). Each cyclone pipe (15) is equipped with a swirl gen-
erating inlet device (14), a lower exit (16) where continuous liq-
uid phase is exiting the cyclone pipe (15), and an upper exit (17)
where gas, the dispersed liquid, and/or suspended solids, together
with parts of the continuous liquid phase are exiting the cyclone
pipe (15). The upper exit port (17) of the cyclone pipe or pipes
(15) is completely or partially submerged in the continuous liq-
uid phase.

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